

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by:
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GENERAL INFORMATION:

Name: DANA Torque-Traction Technology, Inc
Address: 10000 Business Boulevard
Dry Ridge KY 41035
Date application received: February 07, 2006
SIC/Source description: 3714 /Motors Vehicle parts & Accessories
AFS (10-digit) Plant ID: 21-081-00019
AI #: 4255
Activity Number: APE20060001
Permit number: F-06-012

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not a major modification per 401 KAR 51:017, 1(23)(b) or 51:052 1(14)(b)	

MISCELLANEOUS:

☐ Acid rain source
☐ Source subject to 112(r)
☒ Source applied for federally enforceable emissions cap
☐ Source provided terms for alternative operating scenarios
☐ Source subject to a MACT standard
☐ Source requested case-by-case 112(g) or (j) determination
☐ Application proposes new control technology
☒ Certified by responsible official
☒ Diagrams or drawings included
☐ Confidential business information (CBI) submitted in application
☐ Pollution Prevention Measures
☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:**Existing Facility:**

POLLUTANT	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)
Particulate Matter (PM/PM ₁₀)	6.5498	NA
VOC	81.172	NA
Sulfur Dioxide (SO ₂)	0.073	NA
Nitrogen Oxides (NO _x)	12.17	NA
Carbon Monoxide (CO)	10.223	NA
Methanol	0.0898	NA
Toluene	11.511	NA
Ethylene Benzene	0.2371	NA
Xylene	1.0775	NA
Hexane	0.0613	NA
Combined HAPS	13.062	NA

New Construction:

POLLUTANT	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)
Particulate Matter (PM/PM ₁₀)	12.006	NA
VOC	108.72	NA
Combined HAPS	0.006	NA

Source wide after Construction:

POLLUTANT	POTENTIAL EMISSIONS (TPY)	ALLOWABLE EMISSION (TPY)
Particulate Matter (PM/PM ₁₀)	18.74	10.34
VOC	190.44	90*
Sulfur Dioxide (SO ₂)	0.0711	NA
Nitrogen Oxides (NO _x)	12.17	NA
Carbon Monoxide (CO)	10.223	NA
Methanol	0.0898	NA
Toluene	11.511	9.0**
Ethylene Benzene	0.2371	NA
Xylene	1.0775	NA
Hexane	0.0613	NA
Combined HAPS	13.122	22.5**

- * The source has accepted a facility-wide limit on annual VOC emission to no more than 90 tons. The actual VOC emissions shall be calculated based on 12-month rolling total.
- ** The source has accepted a facility-wide limit on annual single HAP emissions to no more than 9.0 tons and combined HAPS 22.5 tons. The actual HAPs emissions shall be calculated based on 12-month rolling total.

TOXIC ANALYSIS:

Toxics	PTE CONC. UG/M**3	PDRV UG/M**3	PTE CONC.<PRG#/ PDRV
Methanol	56.317	4000	YES
Hexane	56.317	200	YES
Toluene	56.317	400	YES
Xylene	56.317	100	YES
Ethylene Benzene	56.317	1000	YES

SOURCE PROCESS DESCRIPTION:

The DANA Torque-Traction Technology, Inc assembles lightweight vehicle axles used in vans, trucks, and sport utility at its facility at 10000 Business Blvd, Dry Ridge (Grant County), Kentucky. The source is a minor source, which is registered with the Division pursuant to 40 KAR 52:070

The source operates several assembly lines, some of which have no air emissions. As part of some lines, the source paints the axles to inhibit corrosion during normal use. The source is currently operating four assembly lines that include painting as part of the process. The lines (200, 300, 400) use a water based coating that contains low levels of VOC. A fourth line (line 100) uses a VOC based coating. The source's current potential-to-emit calculations are well below major source thresholds, and the source is therefore a registered minor source. The source is planning an expansion of plant by incorporating four new process lines which are currently located at the source's Buena Vista, Virginia. These new lines will include paints booth that uses a VOC based – coating, as a result the source's potential-to-emit will exceed 100 tons per year of both VOCs and particulate matter, and 10 tons per year of for toluene (HAP). Operating records from Buena Vista plant indicates that actual emissions are below major source thresholds.

Therefore, On February 7, 2006, the source has applied to the Division for the conditional major permit.